

$$8a) x^2 + 4x + 3 \\ = (x+3)(x+1)$$

$$b) m^2 - 7m - 18 \\ = (m-9)(m+2)$$

$$c) x^2 + x - 12 \\ = (x+4)(x-3)$$

$$d) a^2 + 5a - 14 \\ = (a+7)(a-2)$$

$$e) x^2 + x - 30 \\ = (x+6)(x-5)$$

$$f) x^2 - 7x + 10 \\ = (x-5)(x-2)$$

$$9a) m^2 + 6m - 27 \\ = (m+9)(m-3)$$

$$b) x^2 - x - 42 \\ = (x-7)(x+6)$$

$$c) x^2 + 10x - 11 \\ = (x+11)(x-1)$$

$$d) a^2 - 13a + 30 \\ = (a-10)(a-3)$$

$$10a) x^2 + 3xy + 2y^2 \\ = (x+2y)(x+y)$$

$$c) x^2 + xy - 2y^2 \\ = (x+2y)(x-y)$$

$$b) a^2 - 2ab + b^2 \\ = (a-b)(a-b) \\ = (a-b)^2$$

$$d) m^2 + 4mn - 5n^2 \\ = (m+5n)(m-n)$$